

I.3
7/11/97

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

EPA Region 5 Records Ctr.



284417

I. HEADING

Date: July 11, 1997

Subject: Frost Manufacturing Company, Kenosha, Kenosha County,
Wisconsin

From: Rey Rivera, OSC, U.S. EPA, Region 5, Chicago CC for RR

To: E. Watkins, OSWER, Wash., D.C. (703-603-9133)
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B. Messenger, Chief, U.S. EPA ESS (312-353-9176)
B. Henning-Guria, U.S. EPA ESS (312-353-9176)
T. Lesser, U.S. EPA Off. Public Affairs (312-353-1155)
G. Narsete, U.S. EPA Off. Public Affairs (312-353-1155)
J. Cox, U.S. EPA ORC (312-886-0747)
U.S. Coast Guard, Dist. 9 (216-902-6121)
U.S. Fish & Wildlife Service, WI (414-465-7410)
J. Burnett, WDNR (608-267-2768)
A. Walden, WDNR (608-267-2768)
B. Amungwafor, WDNR-SE Region (414-229-0810)
S. Krewson, City of Kenosha (414-653-4045)

POLREP # 19 (July 2 - July 11, 1997)

II. BACKGROUND

Site No: A551 Delivery Order No: 5001-05-413
CERCLIS No: WID006090286
Response Authority: CERCLA NPL Status: Non-NPL
State Notification: Yes Start Date: March 10, 1997
Status of Action Memorandum: Approved (Signed January 15, 1997)

III. SITE DESCRIPTION

See initial POLREP.

IV. RESPONSE INFORMATION

A. Actions Taken

- ° Removal of contaminated ventilation system on the roof of the foundry building continues. The pieces of the ventilation system were disposed of in the hazardous solid waste stream.
- ° Pressure washing of the interior of the foundry building continues.

- The contaminated soil in the courtyard area, not covered by concrete was excavated to a depth of two foot. A grid was laid out in the courtyard for sampling. Four confirmation soil samples were collected and analyzed with the XRF 920. The results indicated that the samples were above the U.S.EPA site cleanup standards for Samples 2'C1 and 2'C3 for chromium, Samples 2'C1 through 2'C4 for copper and zinc, and Sample 2'C4 for arsenic.
- A composite sample of the courtyard was made from Samples 2'C1 through 2'C4 and labeled 2'CL. The composite Sample 2'CL was shipped to the lab for analysis for eight Total RCRA Metals plus copper and zinc.
- Tewntytwo 20-cubic yard roll-off boxes with 15-cubic yards each of hazardous waste solid debris were delivered to City Environmental in Detroit, Michigan under manifest numbers MI4841145, MI4841147, MI4841148, MI4841149, MI4841150, MI4841151, MI4841154, MI4841155, MI4841156, MI4841157, MI4841158, MI4881159, MI4841160, MI4841161, MI4841162, MI4841163, MI4841164, MI4841165, MI4841166, MI4841167, MI4841168, MI4841169, MI4841170, MI4841171, MI4841172, MI4841173, and MI4841174.
- Sulfuric and hydrochloric acids (1,300 gallons) were shipped to City Environmental in Detroit, Michigan under manifest number MI3996644.
- Mercury debris (200 pounds) were shipped to Michigan Disposal, Belleville, Michigan under manifest number MI4025902.
- Waste tar (65 gallons), non-hazardous glue (100 gallons), waste flammable solids (300 pounds), and non-hazardous petroleum jelly were shipped to Michigan Recovery Systems, Inc., Romulus, Michigan under manifest number MI4025903.
- Waste flammable liquids (diprpopyleneglcilmethylether) (50 gallons) and acetone and toluene (400 gallons) were shipped to Michigan Recovery systems, Inc., Romulus, Michigan under manifest number MI4025904.
- The east alley transformer area, designated AT1, was excavated an additional six inches and sampled. Sample 1.5AT1 was collected analyzed with a XRF 920. The results indicated that the Sample 1AT1 was below the U.S.EPA site cleanup standards for chromium, copper, and zinc, and arsenic.
- Mercury contained in manufactured articles; fluorescent bulbs, mercury vapor bulbs, and mercury switches, (950 pounds) were shipped to Environmental Recyclers of Toledo, Ohio.
- Backfilling of excavated areas was initiated. Areas A1 and AT1 were backfilled. The area to be backfill was lined with visqueen to delineate the excavated area, prior to backfilling. A Sample 1Bckfll of the backfill was collected and analyzed with the XRF 920. The results indicated that all the samples were below the U.S.EPA site cleanup standards for chromium, copper, zinc, and arsenic.

B. Next Steps

- Disposal of lab packs waste streams.
- disposal of contaminated soils.
- Remove contaminated soils from the plating room.
- Epoxy seal exterior plating room wall.
- Continue cleaning of the interior of the foundry building of lead contaminated dusts.
- Pump out water from machinery pits in foundry building and seal the pits.

V. COSTS

Extramural Costs:

| | |
|---------------------------------------|------------------|
| Total Cleanup Contractor (ERCS) Costs | \$724,230 |
| START | \$46,676 |
| Total, Extramural Costs | \$770,906 |

Intramural Costs:

| | |
|--------------------------------|-----------------|
| U.S. EPA | \$35,415 |
| Total, Intramural Costs | \$35,415 |

| | |
|-------------------------------|-------------------------|
| <u>TOTAL SITE COST</u> | <u>\$806,321</u> |
| Project Ceiling | \$973,900 |

| | |
|---|------------|
| Project Funds Remaining (percentage) | 18% |
|---|------------|

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor. Other financial data, which the OSC must rely upon, may not be entirely up to date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. DISPOSITION OF WASTES

| <u>Wastestream</u> | <u>Medium</u> | <u>Quantity</u> | <u>Containment</u> | <u>Treatment</u> | <u>Disposal</u> |
|------------------------------------|---------------|-----------------|--------------------|------------------|---|
| Non-haz debris | Solid | 610 cy | rolloff | Landfill | Best Disposal Co., Menomonee Falls, WI |
| Scrap metal | Solid | 280 cy | rolloff | Recycle | Miller Compressing Co., Milwaukee, WI |
| Scrap metal (Engine with flywheel) | Solid | 6,000 lb | N/A | Recycle | Miller Compressing Co., Milwaukee, WI |
| Scrap metal (press) | Solid | 60,000 lb | N/A | Recycle | Miller Compressing Co., Milwaukee, WI |
| Copper metal | Solid | 8,804 lb | N/A | Recycle | Miller Compressing Co., Milwaukee, WI |
| D007 haz waste | Solid | 1,076 cy | rolloff | Landfill | City Environmental, Inc., Detroit, MI |
| Transformers | Solid | 7 | N/A | Recycle/Disposal | S.D. Meyers, Tallmadge, OH |
| Asbestos | Solid | 20 cy | rolloff | Landfill | Pheasant Run Recycling & Disposal Facility, Bristol, WI |
| Decontamination Water | Liquid | 17,150 gal | tanker | Treatment | Cyanokem, Detroit, MI |
| PCB's | Solid | 2,050 lb. | drums | Incineration | SD Myers, Inc. Tallmadge, OH |
| Flammable Liquid | Liquid | 4,859 gal | tanker | Incineration | Michigan Recovery Systems, Inc. Romulus, MI |
| Flammable Solid | Solid | 300 lb. | drums | Incineration | Michigan Recovery Systems, Inc. Romulus, MI |

VI. DISPOSITION OF WASTES

| <u>Wastestream</u> | <u>Medium</u> | <u>Quantity</u> | <u>Containment</u> | <u>Treatment</u> | <u>Disposal</u> |
|--------------------|---------------|-----------------|--------------------|------------------|--|
| Mercury debris | Solid | 200 lb | drums | Treatment | Michigan Disposal, Belleville, MI |
| Mercury | Solid | 950 lb | drums | Treatment | Environ- mental Disposal, Belleville, MI |
| Acids | Liquid | 1,300 gal | drums | Treatment | City Environ- mental, Inc., Detroit, MI |



FROST MANUFACTURING SITE
Phone (414) 652.2347 Fax (414) 652.2348



EPA
ECOLOGY & ENVIRONMENT

414.652.3057
414.657.0182

| | |
|---|------|
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| TO: <u>Listed Parties</u> | |
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| COMMENTS: <u>Please copy and distribute to the listed parties for POLREP # 79.</u> | |

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6523 SOUTH 14TH AVENUE

KENOSHA, WI 53143

| NO. | COM | PAGES | FILE | DURATION | X/R | IDENTIFICATION | DATE | TIME | DIAGNOSTIC |
|-----|-----|---------|------|----------|-----|-----------------|--------|-------|---------------|
| 08 | OK | 004 | 235 | 00:01'36 | RCV | | JUL-03 | 12:51 | C0142B0337000 |
| 09 | 420 | 000 | | 00:00'38 | RCV | | JUL-03 | 15:50 | 0010260200000 |
| 10 | OK | 001 | 236 | 00:00'27 | RCV | | JUL-07 | 09:05 | C0142B0337000 |
| 11 | OK | 008/008 | 237 | 00:08'45 | XMT | # 13145306854 | JUL-07 | 10:16 | 0840470777000 |
| 12 | OK | 004/004 | 238 | 00:02'25 | XMT | E&E | JUL-07 | 10:28 | 6840470577000 |
| 13 | OK | 017 | 240 | 00:08'03 | RCV | 7035169100 | JUL-07 | 10:54 | 0150270337000 |
| 14 | OK | 003/003 | 239 | 00:02'56 | XMT | # 13145306854 | JUL-07 | 11:02 | 0840470777000 |
| 15 | OK | 002/002 | 241 | 00:02'30 | XMT | # 13123539176 | JUL-07 | 11:51 | A840470577000 |
| 16 | OK | 003 | 242 | 00:01'54 | RCV | | JUL-07 | 12:03 | 0110260230000 |
| 17 | OK | 005 | 243 | 00:02'15 | RCV | | JUL-07 | 16:05 | C0142B0337000 |
| 18 | OK | 004/004 | 244 | 00:02'47 | XMT | # 13145306854 | JUL-07 | 16:11 | 0840470777000 |
| 19 | 631 | 000/006 | 245 | 00:00'00 | XMT | # 1313923375 | JUL-07 | 16:26 | 0A00420000000 |
| 20 | OK | 006/006 | 246 | 00:02'32 | XMT | # 1313923375 | JUL-07 | 16:29 | 2800470577000 |
| 21 | OK | 003/003 | 247 | 00:02'15 | XMT | # 13145306854 | JUL-08 | 08:03 | 0840470777000 |
| 22 | OK | 001 | 248 | 00:00'34 | RCV | | JUL-08 | 08:08 | C0142B0337000 |
| 23 | OK | 007 | 249 | 00:04'49 | RCV | | JUL-08 | 08:22 | C0142B0337000 |
| 24 | OK | 003 | 250 | 00:01'54 | RCV | 312 578 9345 | JUL-08 | 08:51 | 0150260A30000 |
| 25 | OK | 005 | 251 | 00:02'18 | RCV | | JUL-08 | 10:20 | C0142B0337000 |
| 26 | OK | 007/007 | 252 | 00:03'20 | XMT | # 13145306854 | JUL-08 | 10:27 | 0840470777000 |
| 27 | 420 | 000 | | 00:00'38 | RCV | | JUL-08 | 12:37 | 0010260200000 |
| 28 | OK | 001 | 253 | 00:00'30 | RCV | 3145361655 | JUL-08 | 14:19 | 0150270377000 |
| 29 | OK | 005/005 | 001 | 00:02'06 | XMT | # 13145306854 | JUL-08 | 15:39 | 0840470777000 |
| 30 | OK | 002/002 | 003 | 00:02'26 | XMT | # 18154330596 | JUL-09 | 13:13 | 2840470577000 |
| 31 | OK | 007 | 004 | 00:03'15 | RCV | | JUL-09 | 14:16 | C0142B0337000 |
| 32 | OK | 001/001 | 005 | 00:00'42 | XMT | # 13145361655 | JUL-09 | 14:51 | 0840470537000 |
| 33 | OK | 001/001 | 006 | 00:00'36 | XMT | # 18474375945 | JUL-09 | 15:28 | 2840470537000 |
| 34 | OK | 003 | 007 | 00:01'53 | RCV | | JUL-09 | 15:30 | 0110260230000 |
| 35 | OK | 010 | 008 | 00:03'43 | RCV | 08 | JUL-10 | 08:32 | 0150270377000 |
| 36 | OK | 001 | 009 | 00:00'38 | RCV | | JUL-10 | 08:51 | C0142B0337000 |
| 37 | OK | 001 | 010 | 00:00'27 | RCV | | JUL-10 | 11:26 | C0142B0337000 |
| 38 | OK | 002 | 011 | 00:01'25 | RCV | | JUL-10 | 13:24 | 0110270537000 |
| 39 | 420 | 000 | | 00:00'38 | RCV | | JUL-10 | 13:40 | 0010260200000 |
| 40 | OK | 009 | 012 | 00:02'18 | RCV | | JUL-10 | 14:02 | C0142B0377000 |
| 41 | OK | 001/001 | 013 | 00:00'23 | XMT | # 13125789345 | JUL-10 | 14:11 | 6840470577000 |
| 42 | OK | 003 | 014 | 00:00'59 | RCV | 847 9676735 | JUL-10 | 16:57 | 0150270377000 |
| 43 | OK | 003 | 015 | 00:01'02 | RCV | 847 9676735 | JUL-10 | 17:19 | 0150270377000 |
| 44 | OK | 001 | 016 | 00:00'39 | RCV | | JUL-11 | 12:44 | 0110260A37000 |
| 45 | OK | 004/004 | 017 | 00:02'09 | XMT | # 12156584030 | JUL-11 | 14:10 | 0800470577000 |
| 46 | OK | 005/005 | 018 | 00:02'53 | XMT | # 12156584030 | JUL-11 | 14:24 | 0840470577000 |
| 47 | OK | 001/001 | 019 | 00:00'41 | XMT | E&E | JUL-11 | 14:46 | 6840470577000 |
| 48 | OK | 009/009 | 020 | 00:09'33 | XMT | # 13145306854 | JUL-14 | 08:51 | 0840470777000 |
| 49 | OK | 006/006 | 021 | 00:02'52 | XMT | OSWER | JUL-14 | 09:09 | 7840470777000 |
| 50 | OK | 006/006 | 021 | 00:02'09 | XMT | USEPA ERB | JUL-14 | 09:12 | A840470577000 |
| 51 | OK | 006/006 | 021 | 00:02'09 | XMT | PUBLIC AFFAIRS | JUL-14 | 09:14 | A840470577000 |
| 52 | OK | 006/006 | 021 | 00:02'09 | XMT | ORC | JUL-14 | 09:17 | A840470577000 |
| 53 | OK | 006/006 | 021 | 00:02'45 | XMT | US COAST GUARD | JUL-14 | 09:20 | 2840470537000 |
| 54 | OK | 006/006 | 021 | 00:02'54 | XMT | US FISH | JUL-14 | 09:23 | C8444B0537000 |
| 55 | OK | 006/006 | 021 | 00:02'10 | XMT | WDNR | JUL-14 | 09:26 | A840470577000 |
| 56 | OK | 006/006 | 021 | 00:02'59 | XMT | KREWSON KENOSHA | JUL-14 | 09:28 | 8840470537000 |
| 57 | OK | 006/006 | 021 | 00:03'54 | XMT | AMUNGWAFOR | JUL-14 | 09:32 | 0840470737000 |

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